

Since the code disc consists of 5 concentric groove rings and this is an absolute Optical Encoder i.e. for each position this provides a unique binary code of form

0 0 1 1 0 (Example) . The code will range from

0 0 0 0 0 to 1 1 1 1 1 . Hence so this is 5-bit

Absolute Optical Encoder.

total possibility :  $2^5 = 32$

$$\text{least count} = \frac{360^\circ}{32} = 11.25^\circ$$

